

Do dangers exist in the heat-treatment of light metal in salt bath furnaces? Eduard Zeitz. *Aluminium* 25, 322-5 (1943).—A discussion of the reactions shows that some of them are endothermal and can produce such high temps. that explosion danger exists. Design of furnace, careful cleaning of the tanks (of the sludge deposited) and use and arrangement of heating elements in the tank which are waterproof and react with the melt only at temps. above 1000° are precautions to be taken to avoid risks. M. H.

ASM-3LA METALLURGICAL LITERATURE CLASSIFICATION

GROUP 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

ZEIVRZ, Czeslaw

Studies on infection with Bang Bacillus in the population of the Zielona Gora district. Przegl. epidem., Warsz. 10 no.3:195-198 1956.

1. Z Wojewodzkiej Stacji Sanitarno-Epidemiologicznej w Zielonej Górze Dyrektor: dr. S. Distrych.

(BRUCELLOSIS, epidemiology,

in Poland in farm workers (Pol))

(OCCUPATIONAL DISEASES, epidemiology,

brucellosis in farm workers in Poland (Pol))

ZEJDA, E.

ZEJDA, E. Purification of waste water from cyanide production and electrolytic refining of metal. p. 128.

Vol. 5, No. 4, Apr. 1955

VODNI HOSPODARSTVI

TECHNOLOGY

Praha, Czechoslovakia

So: East European Accessions, Vol. 5, No. 5, May 1956

ZEJDA, Frantisek

Socialni zabezpeceni zemedelcu. (Social Security of Farmers. notes) Authors: Frantisek Zejda, Josef Nepomucky. Prague, SZN, 1957. 123 p. Vol. 14 of the series Knihovnicka zemedelce (Small Library for Farmers)

Regulations concerning the health and social insurance of the members of the four types of collective farms. The pamphlet contains also information on the social insurance of independent farmers and official regulations on the social security of farmers.

Bibliograficky katalog, CSR, Ceske knihy, No. 34. 1 Oct 57. p. 730.

ZEJDA, Jan; HOLISOVA, Vera; PELIKAN, Jaroslav

Some rare mammals of Silesia. Prir cas slezsky 23 no.1:  
25-35 '62.

HOLISOVA, Vera, promovany biolog (Brno, Lidicka 79); ZEJDA, Jan, inz., C.Sc.  
(Brno, Lidicka 79); PELIKAN, Jaroslav, dr., C.Sc. (Brno, Lidicka 79)

Ecology and population dynamics in the Apodemus microps Krat.  
and Ros. (Mamm.: Muridae). Prace CSAV Brno 34 no.11:493-540 '62.

1. Laboratory of Vertebrate Zoology, Czechoslovak Academy of  
Sciences. Brno.

POLAND/Tuon and Animal Physiology. Metabolism.

Abs Jour: Ref Zhur-Biol., No 20, 1958, 92937.

Author : Bekstein, Marian, Gorczyca, Maria, Kocwa, Aleksander.  
Zeje, Alfred.

Inst : Polish Academy Sciences..

Title : Amino Oxidation of Physiologically Active Compounds.  
III. Nicotinic Acid Derivatives.

Orig Pub: Dissert. pharmac. PNH, 1957, 9, No 3, 197-204.

Abstract: No abstract.

Card : 1/1

[illegible]

APPROVED FOR RELEASE: 03/15/2001      CIA-RDP86-00513R001964220005-2  
POLAND/Organic Chemistry. Naturally Occurring Substances  
and their Synthetic Analogs.      G-3

Abs Jour: Referat Zhur-Khimiya, No 4, 1957, 11448.

Author : Eckstein, M., Gorczyca, M., Kocwa, A., and Zejc, A. and  
Eckstein, M., Kocwa, A., and Danek, A.                     

Inst : Polish Academy of Sciences

Title : Synthesis of New Medicinals Belonging to the Group of Xanthine Derivatives. Part I. 7-(3-hydroxy-3-alkoxy)-propyl Derivatives of Theophylline. Part II. N-(3-2-acetoxymercuripropyl)-amides of Theophylline-2-acetic Acid

Orig Pub: Dissert Pharmac PAN, 9, No 2, 73-82, 83-87 (1957) (in Polish  
: with summaries in English and Russian)

Abstract: I. Derivatives of Theophylline (I-derivatives) have been

Card : 1/5



POLAND/Organic Chemistry. Naturally Occurring Substances  
and their Synthetic Analogs.

G-3

Abs Jour: Referat Zhur-Khimiya, No 4, 1957, 11448.

synthesized having in the 7-position the group  $\text{CH}_2\text{CHOHCH}_2\text{OR}$ , where  $\text{R} = \text{CH}_3$  (Ia),  $\text{C}_2\text{H}_5$  (Ib),  $n\text{-C}_3\text{H}_7$  (Ic),  $n\text{-C}_4\text{H}_9$  (Id),  $\text{iso-C}_4\text{H}_9$  (Ie),  $n\text{-C}_5\text{H}_{11}$  (If), and  $\text{iso-C}_5\text{H}_{11}$  (Ig), all of which exhibit enhanced solubility in water and lipids. Preparation: 2 gms NaOH are added to a boiling solution of 0.05 mol theophylline in 30-35 ml water followed by the dropwise addition of 0.06 mol  $\text{ClCH}_2\text{CHOHCH}_2\text{OR}$  (prepared from  $\text{ClCH}_2\text{CHCH}_2\text{O}$  and ROH in the presence of  $\text{H}_2\text{SO}_4$ ); the solution is maintained at a slow boil and heated for another 2-3 hrs, evaporated to dryness under vacuum, and extracted with abs alcohol or  $\text{CH}_3\text{OH}$ ; I is obtained (the product, yield in %, and mp (from abs alcohol) in  $^\circ\text{C}$  are given): Ia, 65, 142-143 (from alcohol-chloroform-water); Ib, 67, 111 (from alcohol-water); Ic, 70, 105-107 (from

Card : 2/5

23

POLAND/Organic Chemistry. Naturally Occurring Substances  
and their Synthetic Analogs.

G-3

Abs Jour: Referat Zhur-Khimiya, No 4, 1957, 11448.

alcohol); Id, 67, 102-103; Ie, 60, 99-100; If, 69, 78-80; Ig, 60, 81-83. On oxidation ( $K_2Cr_2O_7 + H_2SO_4$  in water at  $90^\circ$ ) all I yield 1,3-dimethyl parabanic acid. Equimolar amounts of I and 3-nitrophthalic anhydride are heated for 1 hr ( $\sim 100^\circ$ ) with a small amount of pyridine and the reaction mixture is acidified with dilute  $H_2SO_4$ ; the acid 3-nitrophthalates of the I are obtained (the free COOH group is in the 1-position). Analogously I and  $p-NO_2C_6H_4COCl$  give p-nitrobenzoates. The I, mp of the acid ester (from abs alcohol), and the mp of the p-nitrobenzoate (from alcohol) in  $^\circ C$  are given belong: Ia, 193.5-194, 166-167; Ib, 122-124, 125-126; Ic, 120-121, 119-121; Id, 117-118, 113-114.5; Ie, 110-113, -; If, 94-96, -; Ig, 91-93, -.

Card : 3/5

POLAND/Organic Chemistry. Naturally Occurring Substances  
and their Synthetic Analogs.

G-3

Abs Jour: Referat Zhur-Khimiya, No 4, 1957, 11448.

II. Compounds having the general formula  $RCH_2CONHCH_2CH(OR')CH_2HgCCO-CH_3$  where  $R = 7$ -theophylline and  $R' = CH_3$  (I),  $C_2H_5$  (II), and  $n-C_3H_7$  (III) have been synthesized. I, II, and III as well as  $RCH_2CONHCH_2CH=CH_2$  (IV, R as above) are weakly toxic:  $LD_{min} = 500, 400, 450,$  and  $750$  mg/kg and  $LD_{50} = 625, 633, 750,$  and  $1198$  mg/kg, respectively; IV appears to be a weak diuretic; I, II, and III exhibit diuretic activity in doses of  $0.5-2$  mg/kg. IV is synthesized from  $1$  gm  $RCH_2CCl$  in  $10$  ml abs  $C_6H_6$  and  $1$  gm allylamine, yield  $52\%$ , mp  $233-235^\circ$  (from water) (or from  $RCH_2CCCC_2H_5$  and allylamine in yields of  $24\%$ ). A mixture of a solution of  $1.38$  gms IV in  $70$  ml abs  $CH_3OH$  and a solution of  $1.6$  gms  $(CH_3COO)_2Hg$  in  $15$  ml  $CH_3OH$  acidified with  $CH_3COOH$  is refluxed  $6$  hrs; on dis-

Card : 4/5

POLAND/Organic Chemistry. Naturally Occurring Substances  
and their Synthetic Analogs.

G-3

Abs Jour: Referat Zhur-Khimiya, No 4, 1957, 11448.

tillation of 50 ml  $\text{CH}_3\text{OH}$  I is obtained, mp  $164-166^\circ$   
(from  $\text{CH}_3\text{OH}$ , softens at  $148-150^\circ$ ). Analogously using  
alcohol or  $\text{C}_3\text{H}_7\text{OH}$  III and IV are prepared, the yields and  
mp's being respectively 55.2% and  $168-172^\circ$  (from alcohol,  
softens at  $160^\circ$ ) and 60.6% and  $193-195^\circ$  (decomp; from  
 $\text{C}_3\text{H}_7\text{OH}$ ).

Card : 5/5

POLAND/Organic Chemistry. Synthetic Organic Chemistry.

G-2

Abs Jour: Ref Zhur-Khim, No 13, 1958, 43417.

Author : Eckstein Marian, Gorczyca Maria, Kocwa Aleksander,  
Zejc Alfred.

Inst :

Title : N-Oxides of Physiologically Active Substances. Part III.  
N-Oxides of Derivatives of Nicotinic Acid.

Orig Pub: Dissert. pharmac. PAN, 1957, 9, No 3, 197-204.

Abstract: With the view of producing antituberculous preparations, syntheses were carried out of N-oxide derivatives of nicotinic acid (I N-oxide of the acid). By interaction of 0.01 mole ethyl ester of I (II) with 5 ml concentrated  $\text{NH}_4\text{OH}$  was obtained the amide of I (III), yield 90%, MP  $282^\circ$  (from

Card : 1/3

POLAND/Organic Chemistry. Synthetic Organic Chemistry.

G-2

Abs Jour: Ref Zhur-Khim., No 13, 1958, 43417.

CH<sub>3</sub>OH): III is also formed (with a yield of 70%) on reacting 0.01 mole II with 25 ml saturated alcoholic solution of NH<sub>3</sub>. On heating II of III with NH<sub>2</sub>NH<sub>2</sub>·H<sub>2</sub>O there is obtained the hydrazide of I (IV), yield about 95%, MP 230° (from alcohol). On boiling IV with aldehydes in CH<sub>3</sub>OH there are obtained (with a yield of 70-90%) the following hydrazones corresponding to the general formula RNHN=CHR' (R being herein and hereinafter the acid residue of I) [listing R', MP in °C (from alcohol)]: C<sub>6</sub>H<sub>5</sub>, 233-234; 2-CHC<sub>6</sub>H<sub>4</sub>, 270; 4-N(CH<sub>3</sub>)<sub>2</sub>C<sub>6</sub>H<sub>4</sub>, 251-252; furyl-2, 229; 5-nitrofuryl-2, 199-200. Reaction of 0.004 mole IV in 6 ml water with 2 ml 20% solution of COCl<sub>2</sub> in toluene, in the cold, gave N'-oxide of 2-(3'-pyridyl)-1-oxa-

Card : 2/3

ZEJD, V.

A report from the French glider championships.

(to be contd.) p. 599 (Kridla Vlasti, No. 19, Sept. 1957. Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,  
February 1958

PELIKAN, Jaroslav; ZEJDA, Jan; HOLISOVA, Vera

On the question of investigating ~~small~~ ~~mammal~~ populations  
by the quadrat method. Acta theriolog 9 no.1/8:1-24 '64.

1. Institute of Vertebrate Zoology of the Czechoslovak  
Academy of Sciences, Brno.



**"APPROVED FOR RELEASE: 03/15/2001**

**CIA-RDP86-00513R001964220005-2**

**APPROVED FOR RELEASE: 03/15/2001**

**CIA-RDP86-00513R001964220005-2"**

**"APPROVED FOR RELEASE: 03/15/2001**

**CIA-RDP86-00513R001964220005-2**

**APPROVED FOR RELEASE: 03/15/2001**

**CIA-RDP86-00513R001964220005-2"**

ZEJDA, V., Dr.;

VETEK, J., Dr.; ZEJDA, V., Dr.; KASPAR, Z. MUC.

Experiences with lymphography. Rozhl. chir. 37 no.2:94-97 Feb 58.

1. I. chirurgická klinika v Brně, přednosta prof. Dr. J. Podlaha.  
J. V., Brno, Pekarská 53.

(LYMPHATIC SYSTEM, radiography  
technic & diag. value (Cz))

ZEJDA, V.; VITEK, J.; KASPAR, Z.

Roentgen lymphography of the deep system of the shank. Rozhl.  
chir. 42 no.2:101-105 F '63.

1. I. chirurgicka klinika lekarske fakulty UJEP v Brne, prednosta  
prof. dr. J. Podlaha, DrSc.  
(LYMPHATIC SYSTEM) (LEG) (ANGIOGRAPHY) (VEINS)

VITEK, J.; ZEJDA, V.; KASPAR, Z.

Damage to the lymphatic system with crystalloid contrast medium in the presence of impaired lymphatic drainage. Rosh. chir. 42 no.9:621-624 S '63.

1. I chirurgicka klinika lekarske fakulty UJEvP v Brne, prednosta prof. dr. J. Podlaha, DrSc.

(LYMPHOGRAPHY) (IODOPYRACET)  
(LYMPHATIC SYSTEM)

ZEJDA, V.; VRUBEL, F.

Osteofibrosis deformans (Jaffe-Lichtenstein). Rozhl. chir. 42 no.1:  
68-72 Ja '63.

1. I. chirurgická klinika fakultní nemocnice v Brně, přednosta prof.  
dr. J. Podlaha.

(OSTEITIS FIBROSA)

(SARCOMA)

(BONE NEOPLASMS)

VITEK, J.;ZEJDA, V.;KASPAR, Z.

Our experience with direct lympho-radiography with special reference  
to lympho-radiography of the lower extremity. Ces. rentg. 13 no.5:  
349-353 0 '59

1. I. chirurgická klinika v Brně, přednosta prof. dr. J. Podlaha.  
(LYMPHATIC SYSTEM radiogr.)

ZEJDA, V.; VITEK, J.; KASPAR, Z.

Lymphoradiography in clinical practice. Polski przegl. chir. 31 no.1:  
23-27 Jan 59.

1. Z I Kliniki Chirurgicznej w Brnie Kierownik: prof. MU dr J. Podlaha.  
Adres autorow: Brno, I Chirurgicka Klinika, ul. Pekarska 53, CSR.  
(LYMPHATIC SYSTEM, radiography,  
(Pol))



ZEJDA, V.; VRUBEL, F.; VITEK, J.

Intestinal obstruction due to a gallstone. Rozhl.chir. 39 no.9:  
600-606 S '60.

1. I. chirurgická klinika University v Brně, prednosta prof.  
dr. J. Podlaha.

(CHOLELITHIASIS compl.)

(INTESTINAL OBSTRUCTION etiol.)

VITEK, J.; VRUBEL, F.; ZEJDA, V.

Obstruction of the large intestine in biliary calculi. Cesk.  
gastroent. vyz. 15 no.1:64-66 F '61.

1. I chirurgická klinika v Brně, přednosta prof. dr. J. Podlaha.  
(INTESTINAL OBSTRUCTION etiol.)  
(CHOLELITHIASIS complications)

VRUBEL, F.; ZEJDA, V.; VITEK, J.

On the problem of diagnosis and therapy of primary retroperitoneal tumors. Rozhl. chir. 40 no.8:543-547 Ag '61.

1. I chirurgická klinika University J. Ev. Purkyně v Brně, přednosta prof. MUDr. J. Podlaha.

(RETROPERITONEAL SPACE neopl)

ZEJDA, V.; VRUBEL, F.

Perforated peptic ulcer. Rozhl. chir. 44 no.3:164-171 Mr '65.

I. I. chirurgická klinika lékařské fakulty University J.E.  
Purkyne, Brno (prednosta: doc. dr. J. Uhlir, DrSc.

VITEK, J.; VRUBEL, P.; ZEJDA, V.

Primary carcinoma of the gastric stump after resection in peptic ulcer. Cesk. gastroent. vyz. 15 no.3:224-228 My '61.

1. I chirurgická klinika v Brně, přednosta prof. dr. J. Podlaha.  
(GASTRECTOMY compl) (STOMACH NEOPLASMS case reports)

ZEJDA, V.

ZEJDA, V.

A report from the French Gilder Championship

P. 628 (Kridla Vlasti) Vol. 3, No. 20, Oct. 1957, Czechoslovakia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC. - VOL. 7, NO. 1, JAN. 1958

ZEJDA, V.

From Vrchlabi to Vrchlabi via Trencin.

P. 508, (Kridla Vlasti) No. 16, Aug. 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) Vol. 6, No. 11 November 1957

ZEJDA, V.

Two incomplete triangles. p. 614.

Vol. 5, no. 26, Dec. 1955  
KRIDLÁ VLASTI  
Praha, Czechoslovakia

Source: East European Accession List. Library of Congress  
Vol. 5, No. 8, August 1956



VEKSLER, V.J.; VODOPJANOV, A.F.; JEFREMOV, D.V.; MINC, A.Z.; VEISBEIN, M.M.;  
GASEV, M.G.; ZEJDLIC, A.J.; IVANOV, T.P.; KOLOMENSKIJ, A.A.; KOMAR, E. G.;  
MALYSEV, J.E.; MONOSZON, M.A.; NEVJAZSKIJ, J.Ch.; PETUCHOV, V.A.;  
RABINOVIC, V.A.; RUBCINSKIJ, S.N.; SINEČNIKOV, K.D.; STOLOV, A.M.;  
KULT, Karel, inz.

The synchrophasotron for particle acceleration to 10 BeV energy of the  
Soviet Academy of Sciences. Jaderna energie 3 no.1:5-9 Ja '57.

1. Ustav jaderne fysiky (for Kult).

Z/056/62/019/002/013/014  
1037/1242

AUTHOR: Zejgermacher, I.L.

TITLE: The application of thin corrugated sheets in construction

PERIODICAL: Přehled technické a hospodářské literatury,  
Hutnictví a strojírenství, v.19, no.2, 1962,  
135, abstract HS 62-1741 (Sudostroyeniye, v.27,  
no.4, 1961, 61-63)

TEXT: The profile and the dimension of the patterns; sheets with small waves for internal partition of spaces of limited dimensions; tough water-tight partitions in trunks. Details about the construction of corrugated partitions. Computation of the strength of a corrugated partition, assuming a carrier stretched on supports and replacement of bent waves by straight ones. The production of corru-

Card 1/2

Z/056/62/019/002/013/014  
I037/I242

The application of...

gated sheet and of partitions. Use of corrugated sheets - saving of material and of welding. 1 photograph, 4 drawings, 1 diagram. ✓

[Abstracter's note: Complete translation.]

Card 2/2

ZEJMAL, E. V.; VOTAVA, Z.

Central action of oxyphenonium and its tertiary analogues on intravenous and intraventricular administration. *Activ. nerv. sup.* 3 no.3:276-283 '61.

1. Nauchno-issledovatel'skiy institut farmatsii i biochimii (VUFB) Praga.

(PARASYMPATHOLYTICS pharmacol)

CZECHOSLOVAKIA

E.V. ZEMALOVA, and E. VOTAVA (Affiliation same as above)

"Effect of some Anticholinergic Substances on Serotonin Activity in vitro and in vivo."

Prague, *Czechoslovenska Farmacie*, Vol 11, No 9, Sept 1962; pp 466-468.

Abstract [English summary modified]: Benactyzine, oxyphenonium bromide and 3 related substances (VUFB-3100, a tertiary nitrogen (diethylamino) derivative of oxyphenonium; and VUFB-3113, quaternary like oxyphenonium but with dimethyl  $\beta$ -amino attached to N<sup>+</sup>, and sulphonium derivative "hydroxythiospassine") showed antiserotonin effect in isolated organs only at high concentrations. Standard pharmacology. Five structures, 4 graphs, 2 Czech and 11 Western references.

1/1

ZEJMALOVA, E.V.; MICHELSON, M.J.; FRUENTOV, N.K.

The physiological action of organic phosphorus compounds. The relation between chemical structure and pharmacological action. Cesk. farm. ll no.9:471-482 N '62.

1. Laborator farmakologie a biochemie biologicky aktivnich latek Ustavu evolucni fysiologie I.M. Secenova, Akademie ved SSSR.  
(PHOSPHORUS POISONS, ORGANIC) (CHOLINESTERASE)

ZEJMALOVA, E.V.; VCTAVA, Z.

Effect of some anticholinergics on the activity of serotonin in experiments in vitro and in vivo. Cesk. farm. 11 no.9:466-469 H '62.

1. Vyzkumny ustav pro farmacii a biochemii, Praha.  
(SEROTONIN) (PARASYMPATHOLYTICS) (BENACTYZINE)

SOVIET UNION

L.V. BRJMALOVA, M.J. MICHELSON and N.K. FOMENTOV, Laboratory of the Pharmacology and Biochemistry of Biologically Active Substances of the Institute of Evolutionary Physiology Named After I.M. Sechenov, of the Academy of Sciences of the USSR (Original version not stated.)

"Physiological Effects of Organic Phosphate Compounds. Relation Between the Chemical Structure and the Pharmacologic Activity.

Prague, Československá Farmacie, Vol 11, No 9, Sept 1962; pp 471-482.

Abstract: A detailed review of the topic, with various minor unpublished or presumably unpublished observations inserted as commentary on publications. Consideration of the strictly in vitro biochemical and the in vivo pharmacological effects. Two dozen diagrams, structural formulae, tables; 14 Soviet and 24 Western references.

1/1

12



CA

Removal of iron from water. Edward Zebba. *Public Works* 29, 301-4 (1949).--The different methods for removal of Fe and Mn from utility water are reviewed with special attention to air oxidation and filtration of the hydroxides. Hard waters can be aerated in closed chambers followed by fast filtration. For soft waters, large open plants and slow filtration are preferable. Pilot plant installation with careful study of the effect of org. substances is desirable before adapting the procedure to full-scale operation. A. Langer

ZEJMO, I.

POLAND

ZLOTOWSKI, Ignacy; WIRASZCZYKA, Maria; ZEJMO, Irene

Dept. of Nuclear Chemistry (Katedra Chemii Jądrowej), UW

Warsaw, Acta Geophysica Polonica, No 1, Jan-Mar 1966, pp 11-14

"Research on processes of precipitation of alpha-active sediments  
in the course of evaporation of mineral waters."

ZEJMO, Irena

POLAND

ZLOTOWSKI, Ignacy; WYNASZKOWSKA, Maria; ZEJMO, Irena.

Department of Nuclear Chemistry, University of Warsaw (Katedra  
Chemii Jadrowej U.W.), Warsaw - (for all).

Warsaw, Acta Geophysica Polonica, No 4, October-December 1965,  
pp 229-233

"Notes on the long lived alpha-radioactivity of Vistula River  
water and drinking water in Warsaw."

ZEJMO, Jozef, mgr

Achievements of the Water Cooperative for Soil Improvement  
of the Obra River Lowland. Gosp wodna 24 no. 1: 27-31  
Ja '64.

ZEJMO, Jozef, mgr

Water cadastre and water register as elements of water disposal in  
accordance with water legislation. Gosp wodna 23 no. 4131-133 Ap  
163.

CZECHOSLOVAKIA

DAVIDOVA, E., SEMJONOV, I.F., STRELKOV, R.B., VACEK, A.,  
ZEJTUNJAN, K.A.; Biophysical Institute, Czechoslovak Academy of  
Sciences (Biofyzikalni Ustav CSAV), Brno, and Institute of  
Experimental Pathology and Therapy AMN SSSR, [Original version  
not given], Suchumi, Russia.

"Partial Pressure of Oxygen in Tissues and its Role in Radio-  
protection of Amines and Thiols."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 2, Feb 66, pp 79-80

Abstract: Partial pressure of oxygen in tissues protected by  
mexamine, serotonin and cystamine was investigated. Mexamine  
and serotonin decrease partial pressure of oxygen, cystamine does  
not change it. It appears that the high protection given by  
indole-alkylamines (serotonin and mexamine) is due to tissue  
hypoxia. 1 Western, 1 Czech, 3 Russian references. Submitted  
at "16 Days of Physiology" at Kosice, 27 Sep 65.

1/1

- 153 -

ZEKANOWSKI, Zbigniew

Certain m-vector properties in a Riemann space. *Matematyka*  
Warszawa Pol no.2:15-23 '64

1. Department of Mathematics "C", Technical University, Warsaw.

PINTER, Miklos, dr.; CSORBA, Laszlo, dr.; ZEKANY, Gyula, dr.

*Haemophilus vaginalis* in the etiology of colpitis, Orv. hetil. 103  
no.13:585-587 1 Ap '62.

1. Gyulai Megyei Korhas es Rendelointezet.

(VAGINITIS microbiol) (HAEMOPHILUS infect)



ZEKANY, Gyula, dr.; SZENDI, Balazs, dr.

Therapy of urinary incontinence caused by stress by folding plastic of the vaginal wall (Kraatz). Orv. hetil. 98 no.5-6: 127-128 10 Feb 57.

1. A gyulai Megyei Korhaz szulo-nobeteg osztalya, (Foorvos: Szendi, Balazs, dr. az orvostud. kandidatusa).

(URINATION DISORDERS, surg.

incontinence, stress, in women, roll plastic of vagina (Hun))

ZEKANY, Gyula, dr.

The rectovesical ligament and the doubled female genitals.  
Magy.noorv.lap. 18 no.1:62-64 Jan 55

1. Gyulai Megyei Korhaz Szulo- es Nobetegosztalyanak kozlemenye  
(Foorvos: Szendi Balazs dr., az orvostudomanyok kandidatusa)

(GENITALIA, FEMALE, abnormalities

uterus bicornis unicollis & vagina duplex (Hun)

(UTERUS, abnormalities

uterus bicornis unicollis with vagina duplex (Hun)

(ABNORMALITIES,

same)

ZEKE, B.

"Between two millstones?" p. 23. (Allami Gazdasag, Vol. 9, No. 1, Jan 1957, Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

ZEKE, Julius

Metallurgical aspects of the submerged arc welding of steels  
for reactor vessels. Jaderma energie 10 no.9:336-343 S '64.

1. Research Institute of Welding, Bratislava.

38076

Z/046/62/000/002/004/004  
D006/D102

1.2300  
AUTHOR:

Zeke, Julius, Engineer

TITLE:

Notes on the effect of fluxes in electrosag welding and remelting

PERIODICAL:

Zváračský zborník, no. 2, 1962, 234-254

TEXT:

The purpose of the study was to investigate the metallurgical effects of slags in electrosag welding and remelting, which have been neglected so far. In an experiment, three 3.15-mm diameter welding wires (0.13% C; 1.3% Mn; 0.04% Si) were melted simultaneously with a current of 650 A per wire under electrosag from the VUS-34 Mn flux. In another test, powdered ferrovanadium was continuously added to the slag. Specimens obtained from the first test displayed a very low notch toughness, while the notch-strength values of specimens from the second test were much higher. Metallographic and electron-microscopic examinations revealed that the low notch strength was due to the presence of iron nitride ( $\text{Fe}_{16}\text{N}_2$ ) whose formation was obviously enhanced by oxygen from the electrosag. When deoxidizing elements (vanadium) were added to the slag, no iron nitride was found in the metal. The conclusion is made that in order to obtain optimum notch

Card 1/2

Notes on the effect of fluxes ...

Z/046/62/000/002/004/004  
D006/D102

strengths of welded joints by electroslag welding, fluxes with an  $\text{SiO}_2$  content of 20-28% and an  $\text{Al}_2\text{O}_3$  content, complementing the combined  $\text{SiO}_2$ - $\text{Al}_2\text{O}_3$  contents to 35-38%, should be used in connection with welding wires containing trace quantities of deoxidizing elements (Al, Ti, Zr, B, V) which are capable of stably binding nitrogen in the weld metal even at elevated temperatures. There are 15 figures and 3 tables. (Technical editor: Engineer S. Horvath, VUZ Bratislava)

ASSOCIATION: VUZ Bratislava

Card 2/2

ZEKE, J.; LOMBARDINI, J.

Properties of welds made by the method of welding into molten slag. p. 50.

ZVARACSKY SBORNIK. (Slovenska akademie vied) Bratislava, Czechoslovakia. Vol. 8, no. 1, 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, no. 10, Oct. 1959. Uncl.

"APPROVED FOR RELEASE: 03/15/2001

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**APPROVED FOR RELEASE: 03/15/2001**

**CIA-RDP86-00513R001964220005-2"**

ZEKCEK, D.      SALNIKOV, A.

"New telecommunication equipment using semiconductors. Tr. from the Russian." p.245

ZELEZNICAR, (Ministertvo dopravy) Praha, Czechoslovakia No. 11, Nov. 1958

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 6, June 1959

Uncl.

ZEKEOVA-NANACKOVA, Z. inz.

Purification of waste water from the caprone fiber production.  
Vodni hosp 14 no.12:475-476 '64.

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
COMMON ELEMENTS																			
COMMON VARIABLE INDEX																			
<div style="display: flex; justify-content: space-between;"> <span>CA</span> <span>17</span> </div> <p style="text-align: center;">Austria-Codex, 1937. Edited by <u>Otto Zerkert</u> and  <u>Edmund Weis</u>. 4th corrected and revised ed. Vienna  Verlag J. Springer. 400 pp. M. 4.40.</p>																			
<div style="display: flex; justify-content: space-between;"> <span>ASB.SLA METALLURGICAL LITERATURE CLASSIFICATION</span> <span>REVISION</span> </div>																			
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PROCESSES AND PROPERTIES INDEX

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EXISTENCE

FROM ROMANY

EXISTENCE ONE COPY

THE effect of the admixture of magnesium with lime applications. O. K. ZIERMAN-KEPARY. *Udobrenie i Urozhai (Fertilizers and Crops)* 2, 186-9 (1930). --CaO, CaCO<sub>3</sub> (C.F.) and two kinds of limestone, one contg. 47% CaO and 23.3% MgO, the other 44.7% CaO and 28.2% MgO, were compared on podzol soils. The results showed that the Mg limestone was even slightly more effective than the pure CaCO<sub>3</sub>. Another series of expts. was conducted with pure CaO, MgO, CaCO<sub>3</sub> and MgCO<sub>3</sub>, alone or in combinations. Again the MgCO<sub>3</sub> showed no injurious effects, and in combination with CaCO<sub>3</sub> it stimulated the effectiveness of the latter. On some field plots the amt. of lime applied was almost equal to the hydrolytic acidity, and in every case the Mg-contg. limestones were very effective. It is concluded that limestones contg. CaO and MgO in the ratio of 2:1 or even 1:1 are not injurious; on the contrary it might be more beneficial than pure CaCO<sub>3</sub>.

J. S. JOFFE

MEKHTIYEV, S.D.; AKHMEDZADE, D.A.; YASNOPOL'SKIY, V.D.; ZEKHARYAN, G.S.

Action of sulfuric acid on dinitrile of terephthalic acid.

Izv. vys. ucheb. zav.; néft' i gaz 4 no.4:121-122 '61.

(MIRA 15:5)

1. Azerbaydzhanskiy institut nefti i khimii imeni Azizbekova i  
Institut neftekhimicheskikh protsessov AN Azerbaydzhanskoy SSR.  
(Sulfuric acid) (Nitrile)

ZEKHNNOV, M. I.

"Adaptation Phenomena in Feather Rites of the Jackdaw," Dok. AN, 51,  
No. 7, 1946.

ZEKHNOV, I. I.

1947. vozrastnye izmeneniya v zarazhenii gracha endoparazitami. Zool,  
zhurn., 26 (2): 133-142.



USSR/Biology - Book  
Medicine - Helminthology

May/Jun 49

"Seasonal and Annual Changes in the Helmintho-  
Fauna of the Rook," M. I. Zekhnov, Chair of Zool,  
Vologda Pedagogical Institute V. M. Molotov,  
11 pp

"Zool Zhur" No 3

Discusses data compiled for several years in five  
tables on various species of helminths found in  
adult and young rooks. Meteorological conditions  
proved most important factor determining number  
and wide distribution of the parasites. Seasonal

15119

USSR/Biology - Rook (Contd)

May/Jun 49

and annual changes in helmintho-fauna depend on  
weather conditions during developmental and in-  
festation stages of various species.

15119

1. ZEKHNOV, M. I.
2. USSR 600
4. Age modifications of the helminthofauna of the gray crow (*Corvus cornix* L.)  
Zool. zhur., 32, No. 1, 1953.
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

ZEKHNOV, M.I.

Age and seasonal dynamics of bird lice of the rook (*Corvus frugilegus* L.) [with English summary in insert]. Zool.zhur. 35 no.12:1831-1843 D '56.  
(MLRA 10:1)

1. Kafedra zoologii Vitebskogo veterinarnogo instituta.  
(Parasites--Rooks (Birds)) (Bird lice)

USSR/Zooparasitology - Helminths.

G.

Abs Jour : Ref Zhur - Biol., No 15, 1958, 67485

Author : Zekhnov, M.I.

Inst : Vitebsk Veterinary Institute.

Title : The Parasitic Fauna of the Lamprey (First Communication)

Orig Pub : Uch. zap. Vitebskogo vet. in-ta, 1956, 14, No 1, 187-191.

Abstract : It has been determined, on the basis of material from 768 opened lampreys from the northwestern regions of the USSR and the Dniepr River, that the brook lamprey, *Lamprocyprus planeri*, and the Ukrainian lamprey, *L. mairae*, are susceptible to infection by the nematodes, *Cucullanus stelnioi*-*des* and *Gordius* sp. larva. At first the nematode larva was detected in the USSR, and then the Ukrainian lampreys were found to be 67% infected. -- F.V. Gorodinskiy.

Card 1/1

ZEKHOV, V.V., inzh.

Catch fork used in rolling down car trains. Bezop.truda v prom.  
4 no.12:33 D '60. (MIRA 14:1)

1. Shakhta im.Abakumova tresta Rutchenkovugol'.  
(Mine railroads--Cars--Safety measures)

ZEKHOV, V.V. Inzhener.

Safety blocks used in slope mining stopes. Bezop.truda v prom. 1  
no.3:31 Mr '57. (MIRA 10:4)  
(Coal mines and mining--Safety measures)

~~Z E K H O V A , Z D~~  
ZEKHOVA, Z.D.

Abnormal agglutination reaction in blood grouping. Medych.zhur.  
21 no.3:90-93 '51. (MIRA 11:1)

1. Iz viddilu gematologii (zav. - prof. N.D.Yudina) Institutu  
eksperimental'noi biologii i patologii im. akad. O.O.Bogomol'tsya  
Ministerstva okhoroni zdorov'ya URSR (direktor - prof. O.O.  
Bogomolets')  
(BLOOD GROUPS)

ZEKHOVA, Z.D.

Effect of adrenaline, desoxycorticosterone and corticotonine upon the morphological composition of blood in rabbits of various ages. Medych.zhur. 22 no.5: 58-64 '52. (MLRA 6:10)

1. Instytut eksperymental'noyi biologiyi i patologiyi im. O.O.Bohomol'tsya.  
(Blood) (Adrenaline) (Corticosterone)



ZEKHOVA, Z.D.

Development of redistributive blood reactions under the effect of corticotonin, adrenalin and desoxicorticosterone. Medych. zhur. 23 no.4:20-25 '53. (MIRA 8:2)

1. Institut fiziologii im. O.O.Bogomol'tsaya Akademii nauk URSR.  
(BLOOD) (SUPRARENAL BODIES) (NERVOUS SYSTEM)

ZEKHOVA, Z. D.

Cand Med Sci - (diss) "Effect of corticotonine on the morphological state of the blood." Kiev, 1961. 10 pp; (Academy of Sciences Ukrainian SSR, Division of Biol Sci); 190 copies; price not given; (KL, 7-61 sup, 258)

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ЗЕРНОВА, З. Д.

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964220005-2"

GRUZDEV, I.A.; ZEKKEI', A.S.; KOSTEL'YANETS, V.S.

Study of transients in a system with limited power during switching-in of hydrogenerators by means of high-speed automatic reclosing of self-synchronization. Trudy LPI no.242:125-130. '65.

(MIRA 18:8)

ZEKKEI, A.S.

Effect of self-synchronization and the automatic reclosing of  
self-synchronization of large hydrogenerators with electro-  
mechanical excitation on the dynamic stability of the system.  
Trudy LPI no.242:131-135 '65. (MIRA 18:8)

GRUZDEV, I. A., dotsent; ZEKHEL', A. S., inzh.

Effect of self-synchronization and automatic reclosing of  
hydrogenerators on the dynamic stability of the system.  
Izv. vys ucheb zav; ~~energ~~ 7 no. 1:1-6 Ja '64. (MIRA 17:5)

1. Leningradskiy politekhnicheskoy institut imeni M. I.  
Kalinina. Predstavlena kafedroy elektricheskikh sistem i  
setey.

S07/10-59-5-7-21/25

AUTHOR: Zekkel', Ya.D.

TITLE: N.I. Nikolayev. "An Evolutionary History of Basic Concepts in Geomorphology", (Part I) "Essays on the History of Geological Sciences "

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geograficheskaya, 1959, Nr 5, pp 127-129 (USSR)

ABSTRACT: This is a review of the above mentioned book.

Card 1/1

AUTHOR: Zekkel', Ya.D. SOV-12-90-4-10/22

TITLE: Paleogeomorphology (O paleogeomorfologii)

PERIODICAL: Izvestiya Vsesoyuznogo geograficheskogo obshchestva, 1958,  
Vol 90, Nr 4, pp 366-368

ABSTRACT: The author proposes the creation of a new branch of science -  
paleogeomorphology - which will study the ancient relief of  
the earth. At present, all such studies are only conducted  
occasionally by geologists and geomorphologists. There are  
10 Soviet references.

1. Paleogeomorphology--Study and teaching

Card 1/1



ZERNIL', Ya. D.

Mem., Northern State Geological Dept., Arkhangel'sk, -1941-43-.

"Importance of Reefs in the Stratigraphy of the Kazanian Stage," Dok. AN, 32,  
No. 8, 1941;

"Significance of Geostructural Processes in Developing Plain Relief, *ibid.*, 40,  
No. 9, 1943;

"Factors Contributing to the Formation of Some Basic Types of Relief in the  
Russian Lowlands," Iz. v-s Geograf. Obshch, 80, No. 3, 1948.

ZEKKEI', YA. D.

PA5/49TH3

USSR/Geology  
Tectonics  
Maps, Relief

May/Jun 48

"Factors Contributing to the Formation of Some Basic Types of Relief in the Russian Lowlands," Ya. D. Zekkel', 11 pp

"Iz v-s Geog Obshch" Vol LXXX, No 3

Much new work has been done on tectonics of Russian Platform during past 10-15 years. Zekkel' describes his method of investigation, based on comparison of hypsometric, quaternary deposits, geological maps, and river valley sections. Southern part of platform is easiest to study, due to absence of chalk

5/49TH3

USSR/Geology (Contd)

May/Jun 48

and tertiary deposits. Discusses Don and Northern Donets regions, and central and northern regions of the platform.

5/49TH3

ZHEKEL', Ya. D.

Immediate problems and methods of development of geomorphology.  
Izv. Vses. geog. ob-va 90 no.6:534-536 H-D '58. (MIRA 11:12)  
(Physical geography)

ZEKHEL', A.D.

Stratigraphy and paleogeography of the Kazanian stage. Biul.MOIP.  
Otd.geol. 31 no.3:57-63 My-Je '56. (MLRA 9:12)  
(Penega Valley--Geology, Stratigraphic)

GORYANSKIY, V.Yu.; YEGOROV, G.I.; ZEKHEL', Ya.D.

Paleogeography and stratigraphy of the lower Carboniferous in the  
northwestern wing of the Moscow Basin [with summary in English].  
Sov. geol. 1 no.6:54-73 Je '58. (MIRA 11:10)

1. Severo-Zapadnoye geologicheskoye upravleniye.  
(Moscow Basin---Geology)

AUTHOR: Zekkel', Ya.D. SOV/12-90-6-5/23

TITLE: ~~On the Ways of Development and the Next Tasks of Geomorphology~~ (O putyakh razvitiya i ocherednykh zadachakh geomorfologii)

PERIODICAL: Izvestiya vsesoyuznogo geograficheskogo obshchestva, 1958, Vol 90, Nr 6, pp 534 - 536 (USSR)

ABSTRACT: The author mentions the two large groups of relief-forming factors (the endogenous and exogenous) and the struggle of opinions characterizing them. In the history of geomorphological conceptions he distinguishes 3 basic stages. They are especially noticeable in the evolution of views on the origin of the relief of plains. The first stage started in the middle of last century; the last one began in the forties and still continues. The author points out the characteristics of the individual stages of geomorphological research, and the struggle for geomorphology between the geographers and geologists. In the author's opinion, geomorphology is indivisible and a geographical science in spite of the fact that it constantly makes use of geological data. Lately, many authors have estimated the role of

Card 1/2

SOV/12-90-6-5/23

On the Ways of Development and the Next Tasks of Geomorphology

tectonics at its true worth, while in other regional researches and in some generalizing works this view was left entirely without elucidation, thus evidencing the undesirable fact that each of the abovementioned trends develops independently. A union of the two directions is the first task facing geomorphology. Its progress, noticed lately, was caused to a considerable extent, by new data obtained from allied sciences. An all-round development of the interconnections of geomorphology with the allied sciences, is the second urgent task. The third task is to ascertain the rather ancient original causes which led to the existence of one or the other form of relief and not to confine oneself to stating the immediate, comparatively recent causes. There are 31 Soviet references.

Card 2/2

119

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**Biochemistry of antigens. III. F. PIRZAMYCKI AND ZERI. *Med. Doświadczalne i Społeczne* 12, 250-6(255-6 French)(1930).—Non-albuminoid substances obtained from *B. Friedländer* and deprived of even traces of N cannot cause any anaphylactic shock in guinea pigs, sensitized passively by the anti-Friedländer serum. Twenty-four hrs. after the intraperitoneal introduction of 3 cc. of the said serum various doses of antigen were injected. One-tenth mg. antigen caused an anaphylactic shock. The antigen alone did not give any symptoms of intoxication. The guinea pigs sensitized by the serum did not give any shock even after 10 days.**

J KUCERA

ASB-544 METALLOGRAPHIC LITERATURE CLASSIFICATION



ZEKOV, I.

Communist-made people. Sov. shakht. 11 no.9:18-19 S 162.  
(MIRA 15:9)  
1. Sotrudnik neshtatnogo otдела zhurnala "Sovetskiy shakhter"  
po kemerovskoy oblasti (Mezhdurechensk).  
(Kuznetsk Basin--Coal miners)

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CIA-RDP86-00513R001964220005-2"

LAVROV, A.P.; ZIKTSER, I.S.

Example of the evaluation of the natural resources of fresh and mineral underground waters under complex geological conditions (Western Dvina Basin). Dokl. AN BSSR 7 no.11:768-771 N '63.

(MIRA 17:9)

1. Institut geologii Gosudarstvennogo geologicheskogo komiteta SSSR i Moskovskiy gosudarstvennyy universitet. Predstavleno akademikom AN BSSR K.I. Lukashevym.

ZEKTSER, D.M., inzh.

Relay with large time delay. Elektrotehnika 35 no.2:61-62  
F '64. (MIRA 17:3)

ZEKTSEK, D.M.

Basic equations for the design of inert inductive pickups of  
large displacements. Izv.tekh. no.5:32-36 My '62. (MIRA 15:6)  
(Transducers)

ZEKTSER, D.M., inzh.

Saving of electric power and nonferrous metals in the relay  
devices of automatic and remote control systems. Vest.  
elektroprom. 33 no.5:73 My '62. (MIRA 15:5)  
(Automatic control) (Remote control)  
(Electric engineering—Materials)

ZEKTSER, D.M., inzh.

Printed circuits in telecommunication and remote control equipment. Avtom., telem. i sviaz' 7 no.3:36-37 Mr '63.

(Printed circuits)

(MIRA 1612)



ZEKTSER, D. M.

"The Use of Cybernetics in the Operation of Railroads," Avtomatika, telemekhanika i svyaz / Railroad Signalling and Communication, 1957, No. 6.

ZELTSER, D.M.

ETO condensers. Avtom., telem. i svyaz' 4 no.4:38 Ap '60.  
(MIRA 13:6)

1. Nachal'nik proizvodstvennogo otdela zavoda "Transsvyaz'".  
(Condensers (Electricity))

S/115/62/000/005/004/006  
E032/E514

9,6000

AUTHOR: Zektser, D.N.

TITLE: Basic computational equations for inductive passive  
gauges of large displacements

PERIODICAL: Izmeritel'naya tekhnika, no.5, 1962, 32-36

TEXT: The type of gauge discussed is illustrated in Fig.1.  
The coil O is connected to a high-sensitivity polarized relay  
P which trips when the actuating ferromagnetic object comes  
within 5-15 mm of the upper surface of the permanent magnet M.  
The relay is made to return to its original position by  
mechanical adjustment of the relay and also by the induced pulse  
of opposite polarity which appears when the ferromagnetic object  
is removed. The author derives differential equations  
describing the operation of the system and obtains expressions  
for the emf, current, magnetic flux, time constant and the  
number of turns in the coil, which can be used in rapid determina-  
tion of the optimum parameters of the inductive converter. The  
theory has been checked experimentally and was found to be  
satisfactory. The device has the advantage that it needs no  
Card 1/2

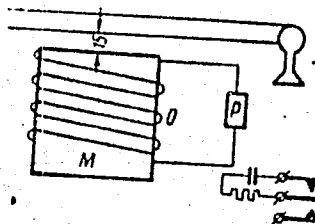
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Basic computational ...

S/115/62/000/005/004/006  
E032/E514

external supply sources or bridge circuits. It has found wide application in automation and telemechanics. There are 5 figures.

Fig.1



Card 2/2